Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Annli	cation Data S	hoot 37 C	ED 4 76	Attorney Do	cket Ni	umber	DYOU	P0313US	
Appii	cation Data S	Heet 37 C	FK 1.70	Application I	Numbe	r			
Title of	Invention FAI	BRICATION C	OF METAM	MATERIALS		•			
The ann	ligation data shoot is	part of the provin	sional or no	naprovicional applica	tion for	which it is I	hoina oub	mitted. The following form centains	tho
bibliogra This doo	phic data arranged in	a format specifi leted electronic	fied by the U	United States Patent ubmitted to the Office	and Tra	demark O	ffice as ou	mitted. The following form contains itlined in 37 CFR 1.76. the Electronic Filing System (EFS)	
Secre	cy Order 37	CFR 5.2	2						
1 1		• •		• •			-	ll under a Secrecy Order pur	suant to
37	CFR 5.2 (Paper	filers only. A	Applicatio	ns that fall unde	r Secr	ecy Orde	er may n	ot be filed electronically.)	
Appli	cant Informa	ation:							
Applic								Remove	
	ant Authority ①	Inventor (	Legal Re	epresentative und	er 35 l	J.S.C. 11	7 (	Party of Interest under 35 U.S	.C. 118
Prefix		,		Middle Name				/ Name	Suffix
LICIIX								y Ivallic	Juliiz
Dooid	Pier	n (Calaat On		John Anthony	○ No	n HC Doc	Sazio	Active LIC Military Consider	
	ence Informatio Southampton	n (Select On	<u> </u>	IS Residency ntry Of Resider	$\stackrel{\smile}{-}$	n US Res	sidericy	Active US Military Service	<del>;</del>
City	·	ED 4 44/L\		nitry Of Resider	ice	GB ———			
	nship under 37 C		I GB						
	g Address of Ap	-	·						
Addre				rise & Innovation					
Addre	ss 2	University o	of Southam	npton 					
City	Highfield, So	uthampton			State	e/Provin	ice		
Postal	Code	SO17 1BJ		Cou	ıntry <sup>i</sup>	GB			
Applic	ant 2					•		Remove	
Applic	ant Authority <b>①</b>	Inventor	)Legal Re	epresentative und	er 35 l	J.S.C. 11	7	)Party of Interest under 35 U.S	.C. 118
	Given Name			Middle Name			Family	y Name	Suffix
	John		,	Victor			Baddir	ng	
Resid	ence Informatio	n (Select On			No	n US Res		Active US Military Service	<del> </del>
City	Southampton	•	Cou	ntry Of Reside	ncei	GB			
Citizer	nship under 37 C	FR 1.41(b)							
	g Address of Ap								
Addre	· .	-	for Enterpr	rise & Innovation					
Addre		University of							
City	Highfield, Sc	uthampton			Stat	e/Provin	ice		
Postal	Code	SO17 1BJ		Cou	ıntry <sup>i</sup>	GB			
Applic	ant 3			<b>I</b>		ı		Remove	
	ant Authority ①	Inventor (	)Legal Re	epresentative und	er 35 l	J.S.C. 11	7 (	Party of Interest under 35 U.S	.C. 118
Prefix				Middle Name				y Name	Suffix
	Daniel		,	William			Hewak	ζ	
Resid	ence Informatio	n (Select On	ne) 🖯 U	JS Residency	<ul><li>No</li></ul>	n US Res	sidency	Active US Military Service	<del>ذ</del>
City	Southampton		Cour	ntry Of Reside	ncei	GB			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.7				Attorne	Attorney Docket Number I		DYOU	P0313US				
Appl	ication Dat	a Sheet 37	CFR 1.76	Applica	Application Number							
Title of Invention FABRICATION OF ME				ATERIALS	i							
Citize	nship under	37 CFR 1.41(	b)i CA									
Mailin	g Address of	f Applicant:	-									
Addre	ess 1	c/o Cent	tre for Enterpri	ise & Innov	ation							
Addre	ess 2	Universi	ty of Southam	pton								
City Highfield, Southampton			1			State	e/Provin	ice				
Posta	I Code	SO17 1E	 3J		Cou	ntryi	GB					
Applie	cant 4	I								Remov	re	
	cant Authorit	y • Inventor	◯Legal Re	presentativ	e unde	er 35 L	J.S.C. 11	7	Party of Inte	rest und	ler 35 U.:	S.C. 118
Prefix			N	liddle Na	me			Family	y Name			Suffix
	Steven		N	Melvyn				Howdle	e			
Resid	dence Inform	ation (Select	One) U	S Residend	у (	• No	n US Res	sidency	○ Active	JS Milita	ary Servi	ce
City	Southampton	ı	Cour	itry Of Re	esiden	cei	GB					
Citize	nship under	37 CFR 1.41(	<b>b)</b> i GB									
Mailin	g Address of	f Applicant:	· · · · · · · · · · · · · · · · · · ·									
Addre	ess 1	c/o Cent	tre for Enterpri	se & Innov	ation							
Addre	ess 2	Universi	ty of Southam	pton								
City	Highfield	d, Southamptor	1			State	e/Provin	ice				
Posta	l Code	SO17 1E	3J		Cou	ntry <sup>i</sup>	GB		•			
	ventors Must ated within this				Informa	ation	blocks	may be		Add		
Corre	esponden	ce Inform	nation:									
	either Custo Irther informa		•	the Corr	espor	ndenc	e Inforn	nation s	ection belo	w.		
A	n Address is	being provi	ded for the o	correspor	ndenc	e Info	rmation	of this	application			
Custo	mer Number	2390	8									
Email Address dbulson@re				ennerotto.com Add Email Remove En				e Email				
Appli	cation In	formation	1:									
Title o	of the Invention	on FABI	RICATION OF	METAMA	TERIA	LS						
Attorney Docket Number DYOUP03			UP0313US			Sı	mall Ent	ity Stat	us Claimed			
Applic	cation Type	Nong	orovisional									
Subje	ct Matter	Utility	y									
Sugge	ested Class (i	if any)				S	ub Clas	s (if any	<u>')</u>			
Sugge	ested Techno	ology Center	(if any)						_1			
Total	Total Number of Drawing Sheets (if any)					S	uggeste	d Figur	e for Public	ation (	if any)	

Annlication Data	Sheet 37 CFR 1.76	Attorney Docket Numb	per DYOUPUS	DYOUP0313US		
		Application Number				
itle of Invention F.	ABRICATION OF METAMA	ATERIALS				
ublication Informati	on:					
Request Early Pu	blication (Fee required a	t time of Request 37 CF	R 1.219)			
and certify that th	ublish. I hereby request le invention disclosed in la another country, or und	the attached application	has not been ar	nd will not be t	the subject of an	
epresentative	Information:					
nis information in the Ap inter either Custom	on should be provided for plication Data Sheet does referenced by the complete of the complete states of the compl	not constitute a power of at lete the Representativ	orney in the applice Name secti	cation (see 37 ( on below.		
Please Select One:	Customer Number	r US Patent Prac	titioner U	IS Representat	ive (37 CFR 11.9)	
		_				
	23908					
application data sheet co	ry Information: e applicant to claim benefit nstitutes the specific refere	nce required by 35 U.S.C.				
omestic Priorit This section allows for th pplication data sheet co 4), and need not otherw	y Information: e applicant to claim benefit nstitutes the specific refere se be made part of the spe	nce required by 35 U.S.C.		1 37 CFR 1.78(a		
omestic Priorit	e applicant to claim benefit nstitutes the specific refere se be made part of the specifics	nce required by 35 U.S.C. cification.		I 37 CFR 1.78(a	a)(2) or CFR 1.78(a)	
omestic Priorith his section allows for the pplication data sheet code, and need not otherward Prior Application Sta	e applicant to claim benefit nstitutes the specific refere se be made part of the specific	nce required by 35 U.S.C. cification.	119(e) or 120, and	I 37 CFR 1.78(a	a)(2) or CFR 1.78(a)	
Omestic Priorit This section allows for the application data sheet code, and need not otherway.  Prior Application State Application Number	e applicant to claim benefit nstitutes the specific refere se be made part of the specific	nce required by 35 U.S.C. cification.  Type Prior App	119(e) or 120, and	Ren	a)(2) or CFR 1.78(a)	
omestic Priorit This section allows for the application data sheet code, and need not otherway.  Prior Application State Application Number Additional Domestic Fibre Add button.	e applicant to claim benefit institutes the specific reference be made part of the specific reference be made part of the specific reference be made part of the specific reference between the specific reference betwee	nce required by 35 U.S.C. cification.  Type Prior App	119(e) or 120, and	Ren	a)(2) or CFR 1.78(a)  nove te (YYYY-MM-DD)	
omestic Priorit This section allows for the opplication data sheet constant and the prior Application States  Application Number Additional Domestic Fine Add button.  Oreign Priority This section allows for the coloring the providing the properties of the providing the providing the properties of the providing the providing the properties of the providing the prov	e applicant to claim benefit institutes the specific reference be made part of the specific reference be made part of the specific reference be made part of the specific reference between the specific reference betwee	Type Prior Appropriated within this form  of foreign priority and to ide	olication Number by selecting	Ren Filing Dat  Eign application	nove te (YYYY-MM-DD) dd	
omestic Priorit This section allows for the opplication data sheet considered to the opplication of the oppl	ry Information:  e applicant to claim benefit institutes the specific refere se be made part of the specific refere set be made part of the specific reference set	Type Prior Appropriate Within this form  of foreign priority and to idention data sheet constitutes	olication Number by selecting entify any prior fore the claim for priori	Ren Filing Date  Figure 1.78(a)  Ren  An  Eign application ity as required length as requ	nove te (YYYY-MM-DD) dd for which priority is by 35 U.S.C. 119(b)	
omestic Priorit This section allows for the application data sheet code and the sheet cod	ry Information: e applicant to claim benefit institutes the specific refere se be made part of the specitus r	Type Prior Appropriate Within this form  of foreign priority and to idention data sheet constitutes  y i Parent Fil	olication Number by selecting entify any prior fore the claim for priori	Ren Filing Date  Figure 1.78(a)  Ren  An  Eign application ity as required length as requ	a)(2) or CFR 1.78(a)  nove  te (YYYY-MM-DD)  dd  n for which priority is by 35 U.S.C. 119(b)  nove  Priority Claimed	
omestic Priorit This section allows for the application data sheet code 4), and need not otherway. Prior Application State Application Number Additional Domestic Fine Add button.  oreign Priority This section allows for the tot claimed. Providing the and 37 CFR 1.55(a).	ry Information:  e applicant to claim benefit institutes the specific refere se be made part of the specific refere set be made part of the specific reference set	Type Prior Appropriate Within this form  of foreign priority and to idention data sheet constitutes	olication Number by selecting entify any prior fore the claim for priori	Filing Date of the second seco	nove  te (YYYY-MM-DD)  dd  for which priority is by 35 U.S.C. 119(b)  Priority Claimed  Yes No	
omestic Priorit This section allows for the application data sheet code and the sheet cod	e applicant to claim benefit institutes the specific refere se be made part of the specific reformation:  Triority Data may be ger  Information:  e applicant to claim benefit information in the applicant response in the applic	Type Prior Appropriate Within this form  of foreign priority and to idention data sheet constitutes  y i Parent Fil 2004-10-0	olication Number by selecting entify any prior fore the claim for priori	Ren Filing Date Filing Date Filing Date  Are required I  Ren  Ren  Ren  Ren  Ren  Ren  Ren	nove  te (YYYY-MM-DD)  dd  for which priority is by 35 U.S.C. 119(b)  Priority Claimed  Yes No	
omestic Priorit This section allows for the application data sheet code and the sheet cod	e applicant to claim benefit institutes the specific refere se be made part of the specific reformation:  Triority Data may be ger  Information:  e applicant to claim benefit information in the applicant response in the applic	Type Prior Appropriate Within this form  of foreign priority and to idention data sheet constitutes  y i Parent Fil 2004-10-0	olication Number by selecting entify any prior fore the claim for priori ing Date (YYYY-	Ren Filing Date Filing Date Filing Date  Are required I  Ren  Ren  Ren  Ren  Ren  Ren  Ren	nove  te (YYYY-MM-DD)  dd  for which priority is by 35 U.S.C. 119(b)  Priority Claimed  Yes No	

PTO/SB/14 (08-05) Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Da	ta Sheet 37 CFR 1.76	Attorney Docket Number	DYOUP0313US
Application ba	ita officer of of it 1.70	Application Number	
Title of Invention FABRICATION OF METAMA		TERIALS	

## **Assignee Information:**

<del>-</del>	n the application data sheet does not gnment recorded in the Office.	substitute for compliance wi	th any requirement of part 3 of Title 37				
Assignee 1			Remove				
If the Assignee is an Organization check here.							
Organization Name							
Mailing Address Information:							
Address 1	Highfield						
Address 2							
City	Southampton	State/Province					
Country i GB		Postal Code	SO17 1BJ				
Phone Number		Fax Number					
Email Address							
Additional Assignee Data may be generated within this form by selecting the Add button.							

## Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.							
Signature	/Don W. Bulson/	Date (YYYY-MM-DD)	2006-04-07				
First Name	Don	Registration Number	28192				

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.** 

## **Privacy Act Statement**

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.